

Title (en)

Communication system with plurality of antennas, communication method, transmitter and receiver

Title (de)

Kommunikationssystem mit mehreren Antennen, Kommunikationsverfahren, Sender und Empfänger

Title (fr)

Système de communication avec une pluralité d'antennes, procédé de communication, transmetteur et récepteur

Publication

EP 1881618 A2 20080123 (EN)

Application

EP 07112585 A 20070717

Priority

JP 2006199775 A 20060721

Abstract (en)

The present method groups a transmission data stream, taking a combination of data bits (b1 and b2) to be transmitted from a part or all of the plurality of transmission antennas at the same time as one group; and performs transmission processing, including at least either of bit repetition processing or retransmission processing by the unit of the group (bit combination). As a result, in MIMO communication, etc., it is possible to suppress deterioration of reception characteristic due to vanishing of correlation among bits transmitted at the same time.

IPC 8 full level

H04B 7/04 (2006.01); **H04B 7/06** (2006.01); **H04B 7/08** (2006.01); **H04J 99/00** (2009.01); **H04L 1/18** (2006.01)

CPC (source: EP US)

H04L 1/0013 (2013.01 - EP US); **H04L 1/0067** (2013.01 - EP US); **H04L 1/08** (2013.01 - EP US); **H04B 7/0691** (2013.01 - EP US); **H04L 1/0026** (2013.01 - EP US); **H04L 1/06** (2013.01 - EP US)

Designated contracting state (EPC)

DE FR GB IT

Designated extension state (EPC)

AL BA HR MK RS

DOCDB simple family (publication)

EP 1881618 A2 20080123; **EP 1881618 A3 20130116**; JP 2008028750 A 20080207; JP 4904963 B2 20120328; US 2008019348 A1 20080124; US 8238273 B2 20120807

DOCDB simple family (application)

EP 07112585 A 20070717; JP 2006199775 A 20060721; US 82660807 A 20070717